DERWENT-ACC-NO: 2000-489577

DERWENT-WEEK: 200043

TITLE: Method of treatment of waste waters contaminated with oil

INVENTOR: ABROSIMOV, M V; DOMNITSKII, V V ; IVASHCHENKO, P I

PATENT-ASSIGNEE: LESOAKADEMIK STOCK CO[LESOR]

PRIORITY-DATA: 1998RU-0117156 (September 14, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2140880 C1	November 10, 1999	N/A	000	C02F 001/40

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2140880C1	N/A	1998RU-0117156	September 14, 1998

INT-CL (IPC): C02F001/40, C02F001/463

ABSTRACTED-PUB-NO: RU 2140880C

BASIC-ABSTRACT:

NOVELTY - Waste **water** is subjected to **electrocoagulation** under vacuum. Then, conducted successively at **pressure** of 2-70 kPa is **water** separation in gravitational field at vacuum-treated **water** surface-to-its volume ratio of 0.2-1.0, and flotation in electromagnetic field of radiation of IR spectrum with wave length of 8.10-7-5.10 m.

USE - Water treatment; applicable in water treatment for process needs and treatment of industrial wastes from oil products, and in drinking water supply.

ADVANTAGE - Intensified operations of separation and flotation, and as a result, higher productivity of water treatment with attainment of high degree of removal of oil products.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: METHOD TREAT WASTE WATER CONTAMINATE OIL

DERWENT-CLASS: D15 X25

CPI-CODES: D04-A01L; D04-A01M; D04-B03;

EPI-CODES: X25-H03;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2000-146876
Non-CPI Secondary Accession Numbers: N2000-363281

DERWENT-ACC-NO: 2000-593035

DERWENT-WEEK: 200056

TITLE: Method of purification of petroleum-contaminated sewage

INVENTOR: ABROSIMOV, M V; DOMNITSKII, V V ; IVASHCHENKO, P I

PATENT-ASSIGNEE: LESOAKADEMIK STOCK CO[LESOR]

PRIORITY-DATA: 1998RU-0114246 (August 4, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2146655 C1	March 20, 2000	N/A	000	C02F 001/463

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2146655C1	N/A	1998RU-0114246	August 4, 1998

INT-CL (IPC): C02F001/40, C02F001/463

ABSTRACTED-PUB-NO: RU 2146655C

BASIC-ABSTRACT:

NOVELTY - Sewage is subjected to **electrocoagulation** under vacuum, and **water** is separated in IR spectrum with specific heating power of 0.1-10.0 kW/cu.m at **pressure** of 2-70 kPa.

USE - Purification of industrial flows from petroleum products and surfactants.

ADVANTAGE - Higher degree of cleaning and stabilization of composition of purified water.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: METHOD PURIFICATION PETROL CONTAMINATE SEWAGE

DERWENT-CLASS: D15 H03

CPI-CODES: D04-A01M; D04-B03; D04-B10; H03-G;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2000-177020

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("4802991"|"5531865").PN.	USPAT	OR	OFF	2006/09/29 10:22
L2	1573465	pressure or psi or atmosphere	USPAT	OR	OFF	2006/09/29 10:22
L3	2	1 and 2	USPAT	OR	OFF	2006/09/29 10:41
L4	606	electrocoagulator or electrocoagulation	USPAT	OR	OFF	2006/09/29 10:42
L5	1450963	mpa or pressure	USPAT	OR	OFF	2006/09/29 10:42
L6	63	4 same 5	USPAT	OR	OFF	2006/09/29 11:15
L7	48550	gravitational or sedimentation	USPAT	OR	OFF	2006/09/29 11:15
L8	3	6 and 7	USPAT	OR	OFF	2006/09/29 11:18
L9	204525	electromagnetic	USPAT	OR	OFF	2006/09/29 11:20
L10	64	4 and 9	USPAT	OR	OFF	2006/09/29 11:19
L11	4	6 and 9	USPAT	OR	OFF	2006/09/29 11:19
L12	33875	electromagnetic adj radiation	USPAT	OR	OFF	2006/09/29 11:20
L13	23	4 and 12	USPAT	OR	OFF	2006/09/29 11:22
L14	144	electrode same coagulation same pressure	USPAT	OR	OFF	2006/09/29 11:23
L15	1109707	water or wastewater	USPAT	OR	OFF	2006/09/29 11:23
L16	16	14 same 15	USPAT	OR	OFF	2006/09/29 11:33
L17	289	(210/702).CCLS.	USPAT	OR	OFF	2006/09/29 11:34
L18	0	4 and 17	USPAT	OR	OFF	2006/09/29 11:34
L19	482	(210/708).CCLS.	USPAT	OR	OFF	2006/09/29 11:34
L20	1	4 and 19	USPAT	OR	OFF	2006/09/29 11:35
L21	365	(210/716-717).CCLS.	USPAT	OR	OFF	2006/09/29 11:35
L22	3	4 and 21	USPAT	OR	OFF	2006/09/29 11:39
L23	1451	(210/748).CCLS.	USPAT	OR	OFF	2006/09/29 11:39
L24	11	4 and 23	USPAT	OR	OFF	2006/09/29 11:54
L25	959	(205/742-761).CCLS.	USPAT	OR	OFF	2006/09/29 11:54
L26	20	6 and 25	USPAT	OR	OFF	2006/09/29 11:57
L27	36	4 and 25	USPAT	OR	OFF	2006/09/29 12:04
L28	9	12 and 25	USPAT	OR	OFF	2006/09/29 12:08
L29	5768	5 same 7	USPAT	OR	OFF	2006/09/29 12:08
L30	1175	15 same 29	USPAT	OR	OFF	2006/09/29 12:09
L31	261	(210/808).CCLS.	USPAT	OR	OFF	2006/09/29 12:09
L32	0	("30and31").PN.	USPAT	OR	OFF	2006/09/29 12:09
L33	5	30 and 31	USPAT	OR	OFF	2006/09/29 12:11
L34	3	12 and 30	USPAT	OR	OFF	2006/09/29 12:12

EAST Search History

L35	28167	settling and 5	USPAT	OR	OFF	2006/09/29 12:13
L36	5369	settling same 5	USPAT	OR	OFF	2006/09/29 12:13
L37	36	31 and 35	USPAT	OR	OFF	2006/09/29 12:15
L38	600	(210/695).CCLS.	USPAT	OR	OFF	2006/09/29 12:16
L39	2	4 and 38	USPAT	OR	OFF	2006/09/29 12:19
L40	1322	electrocoagulator or electrocoagulation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:20
L41	127	pressure same 40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:20
L42	3607621	water or wastewater	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:20
L43	63	41 same 42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/29 12:21